AMENDMENT

In The Claims

Please amend the claims as follows:

2. (Amended) A method according to claim 1, further comprising the steps of:

after receiving at least one positive pulse and at least one negative pulse, determining a data type of the ultra-wideband transmission and calculating an error rate for the ultra-wideband transmission;

if the calculated error rate is less than a Typical Minimum Acceptable Bit Error Rate (TMABER), then sending the ultra-wideband transmission to a desired destination;

if the calculated error rate is greater than the TMABER and less than a Maximum Bit Error Rate For Correction (MBERFC), then error correcting the ultra-wideband transmission before sending the ultra-wideband transmission to the desired destination; and

if the calculated error rate is greater than the MBERFC, then requesting the re-transmission of the ultra-wideband transmission.

4. (Amended) The method according to claim 1,

wherein the step of transmitting includes partitioning each of the positive timing window and the negative timing window into an equal number of timing slots, each timing slot having the same time duration, and

wherein the step of positioning includes placing the positive pulse in a particular timing slot of the positive timing window and placing the negative pulse in an equivalently positioned timing slot of the negative timing window.